



Paul Helliker  
Director

# Department of Pesticide Regulation



Gray Davis  
Governor

Winston H. Hickox  
Secretary, California  
Environmental  
Protection Agency

## MEMORANDUM

TO: Alan C. Lloyd, Ph.D., Chair  
Air Resources Board

FROM: Paul Helliker  
Director  
(916) 445-4000

DATE: October 18, 2002

SUBJECT: PROPOSED TOXIC AIR CONTAMINANT MONITORING FOR 2003

Original Signed By  
PAUL GOSSELIN

Pursuant to Food and Agricultural Code section 14022(c), the Department of Pesticide Regulation (DPR) requests that the Air Resources Board (ARB) monitor for the following pesticides in 2003:

- Chloropicrin.
- Sulfuryl fluoride.

These pesticides are highly ranked in DPR's current prioritization based on their high use, volatility, and toxicity. For 2003, DPR only requests application site monitoring. No ambient air monitoring needs to be conducted during 2003. Both of these pesticides are used as space fumigants, so monitoring will occur around structures, chambers, or other types of enclosures. Chloropicrin is also used for fumigating agricultural fields. We may withdraw the request for chloropicrin monitoring once we receive the results from your 2001 monitoring.

DPR will recommend the number, location, and time of the monitoring after evaluating the 2001 pesticide use reports. It is likely DPR will recommend monitoring one to three applications for each pesticide. Monitoring for sulfuryl fluoride should be in areas different from those monitored in 2002. Since sulfuryl fluoride is used throughout the year, the time of monitoring is flexible. Monitoring for chloropicrin will depend on the results of the 2001 monitoring. Monitoring of chloropicrin and sulfuryl fluoride structural fumigations should occur simultaneously since they are used together. No breakdown products need to be monitored.

Based on a preliminary assessment of the toxicology data, DPR requests the following target quantitation limits:

|                   | <u>Application Site Monitoring</u> |
|-------------------|------------------------------------|
| Chloropicrin      | 0.1 $\mu\text{g}/\text{m}^3$       |
| Sulfuryl fluoride | 30.0 $\mu\text{g}/\text{m}^3$      |



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Thank you for your consideration of this request. If you have any questions, please contact me or Dr. John S. Sanders, of my staff, at (916) 324-4155.

cc: Joan Denton, Ph.D., OEHHA Director  
John S. Sanders, Ph.D., DPR Chief

bcc: Jim Behrmann, ARB Executive Office  
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